

JACOBSON, PRICE, HOLMAN & STERN, PLLC  
 400 SEVENTH STREET, N.W.  
 WASHINGTON, D.C. 20004-2201

## LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT

TY. DOCKET NO.: P65582US0  
 RIAL NO.: New Application  
 PLICANT(S): Seung-Chan BANG, et al.

GROUP ART UNIT: Not Yet Assigned  
 FILING DATE: May 31, 2000  
 TODAY'S DATE: May 31, 2000

U.S. PRO  
 09/584189  
 05/31/00

## U.S. PATENT DOCUMENTS

| AMINER<br>ITIAL | DOCUMENT<br>NUMBER | DATE | NAME | CLASS | SUB-<br>CLASS | FILING DATE<br>(If Appropriate) |
|-----------------|--------------------|------|------|-------|---------------|---------------------------------|
|                 | AA                 |      |      |       |               |                                 |
|                 | AB                 |      |      |       |               |                                 |
|                 | AC                 |      |      |       |               |                                 |

## FOREIGN PATENT DOCUMENTS

|  | DOCUMENT<br>NUMBER | DATE | COUNTRY | CLASS | SUB-<br>CLASS | TRANSLATION<br>(YES) (NO) |
|--|--------------------|------|---------|-------|---------------|---------------------------|
|  | AD                 |      |         |       |               |                           |
|  | AE                 |      |         |       |               |                           |
|  | AF                 |      |         |       |               |                           |

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AG Shim, et al.; Spectrally Efficient Modulation and Spreading  
Scheme for CDMA Systems; Nov. 12, 1998 Electronics Letters;  
Vol. 34, Pages 2210-2211.

AH

AI

DATE CONSIDERED

EXAMINER

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).



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LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT

Technology Center 2600

TTY. DOCKET NO.: P65582US0 GROUP ART UNIT: 2749  
ERIAL NO.: 09/584,189 FILING DATE: May 31, 2000  
PPLICANT(S): Seung-Chan BANG, et al. TODAY'S DATE: April 9, 2002

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U.S. PATENT DOCUMENTS

| EXAMINER<br>INITIAL | DOCUMENT<br>NUMBER | DATE             | NAME            | INT'L<br>CLASS           | SUB-<br>CLASS | FILING DATE<br>(If Appropriate) |
|---------------------|--------------------|------------------|-----------------|--------------------------|---------------|---------------------------------|
| <u>DAW</u>          | AA                 | <u>5,602,833</u> | <u>2/11/97</u>  | <u>Zehavi</u>            | <u>H04B</u>   | <u>7/216</u> <u>12/19/94</u>    |
| <u>DAW</u>          | AB                 | <u>5,818,867</u> | <u>10/06/98</u> | <u>Rasmussen, et al.</u> | <u>H04B</u>   | <u>15/00</u> <u>9/09/96</u>     |
| <u>DAW</u>          | AC                 | <u>5,870,378</u> | <u>2/09/99</u>  | <u>Huang, et al.</u>     | <u>H04J</u>   | <u>13/021</u> <u>8/20/96</u>    |

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FOREIGN PATENT DOCUMENTS

| DOCUMENT<br>NUMBER | DATE                | COUNTRY         | CLASS                  | SUB-<br>CLASS            | TRANSLATION<br>(YES) (NO) |
|--------------------|---------------------|-----------------|------------------------|--------------------------|---------------------------|
| <u>DAW</u> AD      | <u>WO 97/47098</u>  | <u>12/11/97</u> | <u>PCT</u>             | <u>H04B</u> <u>7/26</u>  | <u>X /</u>                |
| <u>DAW</u> AE      | <u>WO 95/03652</u>  | <u>2/02/95</u>  | <u>PCT</u>             | <u>H04B</u> <u>7/26</u>  | <u>X /</u>                |
| <u>DAW</u> AF      | <u>WO 92/17011</u>  | <u>10/01/92</u> | <u>PCT</u>             | <u>H04K</u> <u>1/00</u>  | <u>X /</u>                |
| <u>DAW</u> AG      | <u>EP0814581A2</u>  | <u>12/29/97</u> | <u>European Patent</u> | <u>H04J</u> <u>11/00</u> | <u>X /</u>                |
| <u>DAW</u> AH      | <u>DE19708626A1</u> | <u>9/24/98</u>  | <u>German Patent</u>   | <u>H04B</u> <u>1/69</u>  | <u>/ X</u>                |

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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

DAW AI Jaeryong SHIM and SeungChan BANG; Spectrally efficient modulation and spreading scheme for CDMA systems; ELCTRONICS LETTERS; Nov.12,98;Vol.34,No.23; pp.2210-2211.

DAW AJ Edited by Matsushita; UTRA Physical Layer Description, TDD parts for public operation; Layer 1 Expert Group meeting, Bocholt 18-20 May; Nov.13,98; pp.1-27.

EXAMINER \_\_\_\_\_ DATE CONSIDERED \_\_\_\_\_

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**JACOBSON HOLMAN PLLC**  
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SERIAL NO.: 09/584,189 FILING DATE: May 31, 2002  
APPLICANT(S): Seung-Chan BANG, et al. TODAY'S DATE: March 4, 2003

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| AB                  |                    |      |      |                |               |                                 |
| AC                  |                    |      |      |                |               |                                 |

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FOREIGN PATENT DOCUMENTS

| DOCUMENT<br>NUMBER | DATE     | COUNTRY       | CLASS | SUB-<br>CLASS | TRANSLATION<br>(YES) (NO) |
|--------------------|----------|---------------|-------|---------------|---------------------------|
| AD WO 95/12937     | 05/11/95 | International | H04J  | 13/00         | X                         |
| AE                 |          |               |       |               |                           |
| AF                 |          |               |       |               |                           |

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